

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-10 (Canceled).

Claim 11 (New): A method of assisting steering of steered wheels of a vehicle, comprising:

applying a phase advance between a steering wheel and a rack element so as to decrease response time of the vehicle to an action of a driver of the vehicle on the steering wheel.

Claim 12 (New): The method as claimed in claim 11, wherein speed of rotation and angular acceleration of the steering wheel are measured or estimated and a steered wheels steering preset is emitted as a function of the speed of rotation and angular acceleration.

Claim 13 (New): The method as claimed in claim 12, wherein the speed of rotation and the angular acceleration of the steering wheel are compared with predetermined thresholds, a phase advance being applied in case of overshoot of the thresholds.

Claim 14 (New): The method as claimed in claim 12, wherein the steering preset is calculated based on an angle of steer of the steered wheels and a temporal advance.

Claim 15 (New): The method as claimed in claim 14, wherein the temporal advance is calculated based on an angle of the steering wheel.

Claim 16 (New): A system for assisting steering of steered wheels of a vehicle, comprising:

means for applying a phase advance between a steering wheel and a rack element.

Claim 17 (New): The system as claimed in claim 16, further comprising a sensor of parameters of rotation of the steering wheel.

Claim 18 (New): The system as claimed in claim 16, wherein the means for applying a phase advance comprises a control unit receiving as an input, parameters of rotation of the steering wheel, and includes means of calculation for calculating a phase advance dependent on parameters of rotation of the steering wheel.

Claim 19 (New): The system as claimed in claim 16, wherein the means for applying a phase advance comprises means for calculating a temporal advance as a function of angular parameters of the steering wheel, and means for calculating a steer angle preset as a function of angular parameters of steering of the steered wheels and of the temporal advance.

Claim 20 (New): The system as claimed in claim 19, wherein the means for calculating a temporal advance as a function of angular parameters of the steering wheel comprises a fuzzy logic element for formulating a confidence index and a table for deducing a temporal advance from the confidence index.